

REMARKS/ARGUMENTS

Request for Continued Examination:

- 5 The applicant respectfully requests continued examination of the above-indicated application as per 37 CFR 1.114.

**Rejection of claims 1, 3-7 and 12-14 under 35 U.S.C. 102(e) as being anticipated
by U.S. Patent No. 7,136,040 to Park et al, and rejection of claims 15, 16 and
10 20-22 under 35 U.S.C. 103(a) as being unpatentable over Park.**

Claims 1 and 15 are amended to specify that the disconnecting points positioned in the third scanning band is distributed in a mosaic form and the display of the pixel units is controlled by simultaneously supplying with the same image data by the first data driver and the second data driver whether the pixel units in the third scanning band are
15 positioned above or below the disconnecting point.

Park in Fig. 3 and Col 7 lines 28-32 of the cited reference teaches “the gate lines are divided in to an upper gate line block comprising m gate lines of G1, G2, ..., Gm
20 and a lower gate line block comprising m gate lines of Gm+1, Gm+2, ..., G2m.”. Park however never suggested that an additional scanning band is disposed between the upper gate line block and the bottom gate line block, as recited in claims 1 and 15 of the present invention. It is clear from the above passage that the display panel taught by Park is driven by only two scanning bands, such as the aforementioned
25 upper gate line block (construed as the first scanning band of the present invention) and the lower gate line block (construed as the second scanning band of the present invention). The display panel taught by Park clearly lacks a third scanning band positioned between the first scanning band (such as the upper gate line block) and the second scanning band (such as the lower gate line block).

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Regarding the Examiner's remarks that Park fairly suggests the scanning lines of the third scanning band are scanned in sequence along a third direction after the first scanning band and the second scanning band are scanned simultaneously, the applicants respectfully disagree. Based on the structure disclosed by Park's invention, it is impossible to scan a third scanning band (e.g., Gm-9 through Gm+10) along a single direction as Park specifically teaches that the upper and lower gate drivers sequentially supply gate-ON voltages to the gate lines of the gate line blocks in the opposite scanning direction (Park, col. 7, l. 43-46 and Figs.5, 7, 9a and 9b).

As the third scanning band is absent in Park's invention, limitations including the scanning lines of the third scanning band are scanned in sequence along a third direction after the first scanning band and the second scanning band are scanned simultaneously, and the display is controlled by simultaneously supplying with the same image data by the first data driver and the second data driver whether the pixel units in the third scanning band are positioned above or below the disconnecting point as recited in the amended claim 1 and 15 are clearly not satisfied. Accordingly, the display panel taught by Park is possibly proposed in the aforementioned manner to reduce the complexity of the design and it is unnecessary to identify whether the pixel units in the third scanning band are positioned above or below the disconnecting points when inputting image data into each pixel unit positioned in the third scanning band. Consequently, reconsideration of the amended claims 1 and 15 is respectfully requested. As claims 3-7, 12-14, 16, 20-22 are dependent upon claims 1 and 15, applicants submit that if claims 1 and 15 are found allowable, claims 3-7, 12-14, 16, 20-22 should additionally be found allowable.

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

Sincerely yours,

 /Winston Hsu/

Date: 12/01/2008

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